LASZIO, Antal, prof (Veszprem, Universitat); MAGYAR, Miklos (Veszprem, Universitat); STEINGASZNER, Pal (Hochdruckforschunginstitut, Petfurdo)

Data on the kinetic evaluation of hydrocracking of the atmospheric distillation residue of Tooymasa. Acta chinica Hung 31 no.1/3:137-144 162.

1. Physikalisch-Chemischer Lehrstuhl der Chemisch-Technischen Universitat, Veszprem und Hochdruckforschungsinstitut, Budapest-Petfurdo.

H/502/62/031/001/002/002 D409/D301

11.9100

Steingaszner, Pál (Budapest) and Horváth, József

AUTHORS:

(Petfurdo)

On hydrorefining of lubricating-oil fractions Academia scientiarum hungaricae. Acta chimica, v. 31,

TITLE:

SOURCE:

no. 1-3, 1962, 195-206

The High-Pressure Research Institute in Budapest-Pétfirdő has conducted hydrorefining experiments with furfuralretitured has conducted hydroreilning experiments with furfuralextracted lubricating-oil cuts obtained from sulphur-rich Soviet
extracted lubricating-oil cuts obtained from sulphur-rich Soviet
crude. The tests were made in a 200 ml laboratory reactor of
extracted malyidamina Catalyst at reaction temperatures of nickel-molybdenum-alumina catalyst at reaction temperatures of nickel-molypdenum-alumina catalyst at reaction temperatures of 200 - 41000 and pressures of 200 - 80 atm. It was found that the most on the wield and the quality of the control of the wield and the quality of the control of the wield and the quality of the control of the wield and the quality of the control of the wield and the quality of the control of the wield and the quality of the control of the wield and the quality of the control reaction pressure has no influence on the yield and the quality of hydrogenated products, and that the viscosity, viscosity index, and sulphur content of obtained products depends marely on the reaction nyerogenated products, and that the viscosity, viscosity index, and sulphur content of obtained products depends merely on the reaction sulphur content of obtained products depends merely on the reaction sulphur content of obtained products depends merely on the reaction sulphur content of obtained products depends merely on the reaction of light distillation of light dis avoid undesired viscosity decrease and formation of light distil-

Card 1/2 龜

On hydrorefining ...

H/502/62/031/001/002/002 D409/D301

lates. The lubricating-oil yield at this temperature range amounts to 95%, the ageing stability is satisfactory, and the oil can be classified as SAE-30. Higher hydrorefining temperatures should only be applied for oil grades where considerably higher viscosity indices are desired. (To attain a viscosity index of 80, the reaction temperature must lie above 570°C, however, the obtained oil can only be classified as SAE-20). The tests also showed that the oxidation stability of the oil increases with decreasing sulphur contents, a result which is in contradiction to the oxidation-inhibiting effect of sulphur compounds as postulated by various authors. Credit is given to Professor M. Freund, E. Vámos, and Gy. Mózes of the MÁFKI Hungarian Crude-Oil and Natural-Gas Research Institute. There are 7 figures and 4 tables. The most recent English-language reference is: Butler, Katzmark, 5th World Petroleum Congress, Sect. III, Paper 11, New York, 1959.

ASSOCIATION:

High-Pressure Research Institute, Budapest-Pétfürdő

SUBMITTED:

September 15, 1961

Card 2/2

| L 46853-66 T WE SOURCE CODE: HU/0006/66/CCO/QO4/0178/0183  |
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| AUTHOR: Karolyi, Jozsef; Peter, Istvan; Steingaszner, Pal; Hevesi, Jeno  |
| AUTHOR: Karolyi, Jozsef; Peter, Istvan, Standard (Nagymyomasu Kiserleti Intezet)   |
| ORG: Institute of High Pressure Research (Nagynyomasu Kiserleti Intezet)   |
| TITLE: Catalysts and catalyst poisons in gasoline refining II  |
| SOURCE: Magyar kemikusok lapja, no. 4, 1966, 178-183   |
| manus, mace, catalytic reforming, petrochemistry   |
| APSTRACT: Experiments were carried out with gasolines and a catalyst of Russian origin to determine the sulfur and nitrogen tolerance of the catalyst. By using origin to determine the sulfur and nitrogen content can be the experimental results, the highest allowable sulfur and nitrogen content can be predicted while reforming gasolines of different hydrocarbon types. In the highly predicted while reforming gasolines of different hydrocarbon types. In the highly paraffinic gasolines which represent the basic material of the Hungarian refineries, paraffinic gasolines which represent the basic material of the Hungarian refineries, paraffinic gasolines ontent can be 0.0002 per cent by weight, that of sulfur 0.01 the maximal nitrogen content can be 0.0002 per cent by weight. Orig. art. has: 8 figures and 6 tables. [Based on authors' Eng. abst.] [JPRS: 36,862] |
| SUB CODE: 07, 13 / SUBM DATE: none / OTH REF: OOL  |
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KALAN, Tibor; JANIK, Jozsef; KURUCZ, Imre; STEINGRUBER, Istvan; GERENCSER, Jozsef; OROS, Gyula; KOLLAR, Medard Diemaking by hot impression. Koh lap 9 no. 9: 390-399 S 154.

STEINHART, Leo, Maj, Dr Hradec Kralove Military Medical Academy

Coauthor, with Dr Ota SKRIVANEK, of article "X-Ray Diagnosis of Prolapses of a Vertebral Disk," dealing with diagnosis by X-rays prior to the excision of a vertebral disk, and the employment of other diagnostic methods. (VZL, Nov 54)

80: Sum. 436, 30 March 1955

BASTECKY, Jan; BRZEK, Vladimir; STEINHART, Leo; CERNOCH, Zdenek; SERIVANEK, Ota: RUZICKA, Karel

> Clinical evaluation of splenoportography. Cas.lek.cesk. 94 no.14: 359-365 1 Apr 55.

> 1. Z radiologicke kliniky klinicke nemocnice VIA a z chirurgicke kliniky klinicke nemocnice VIA v Hradci Kralove. (SPLEEN, radiography. splenoportography, clin. evaluation)

PROCHAZKA, Jaroslav; STEINHART, Leo

The Board of the Control of the Cont

Accessory pulmonary artery with so-called pulmonary sequestration. Cas. lek. cesk. 96 no.6:167-173 8 Feb 57.

1. Chirurgicka klinika VLA J. Ev. P., prednosta: akademik Jan Bedrna; Radiologicka Klinika VLA J. Ev. P., prednosta: prof. Dr. J. Bastecky. J. P. Hradec Kralove, VLA. (ARTERIES, PULMONARY, dis.

sequestration of accessory artery, clin. manifest. & surg. (Cz))

KROO, Michal; STEINHART, Leo

Significance of contrast x-ray examination of tumors in the pituitary region. Cesk. rentg. 13 no.1:8-18 Feb 59.

1. Neurochirurgicka klinika, prednosta prof. dr. R. Petr. radiologicka klinika, prednosta prof. dr. J. Bastecky, lekarske fakulty Karlovy university v Hradci Kralove.

(BRAIN NEOPLASMS, diag. x-ray, in tumors of pituitary area (Cz))

METTL, S.; STRINHART, L.; DITE, B.

Hormal deep cerebral phlebographic picture according to clinical data of the J.K. Purkyne VIA Neurological Clinic. Cesk. neur. 22 no.3:159-168 May 59.

1. Neurologicka klinika VIA J. Ev. P., radiologicka klinika VIA J. Ev. P. a radiologicke oddeleni PN Jaromer.

(ANTIOGRAPHY, CEREBRAL,
normal standards of deep phlebography (Cz))

KROO, Michal; STEINHART, Leo

Contrast roentgen picture of intracranial pressure lesions of the optic nerve, chiasm and optic tract. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Fral) 4 no.2:161-175 61.

1. Katedra I. chirurgie; prednosta prof. MUDr. R. Petr. Katedra radiologie; prednosta prof. Dr.Sc. MUDr. J. Bastecky.
(BRAIN NEOPLASMS radiography)

KROO, Michal; STEINHART, Leo

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1. Lekarska fakulta Karlovy university v Hradci Kralove, katedra I chirurgie, prednosta prof. MUDr. R. Petr a katedra radiologie, prednosta prof. MUDr. J. Bastecky, Dr. Sc.

(BRAIN NEOPLASMS radiography) (OPTIC NERVE diseases)

### "APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001653110017-6

STEINHART, L.

SURTALE, Given Hames

Country: Czechoslovakia

[not given] Academic Degrees:

Affiliation:

Source: Prague, Rozhledy v Tuberkulose a v Nemocech Plicnich, Vol XXI, No 6, July 61, pp 183-188

"The Diagnostics of So-Called Intralebar Sequestration of the Lung."

Authors: PROCHAZKA, J., Prof, Dr., Director of Clinic of Surgery KU [Karlova universita; Charlos University] (Chirurgicka klinika KU), Hradec Kralove.

STEINHART, L., Presumably Clinic of Surgery KU, Hradec Kralove.

ENDRYS, J., [presumably] Radiological Clinic (Radiologicka klinika), Hradec Kralove; Director: Prof Dr. J. BASTECKY, Dr Sc

BPO 981643

STEINHART, L.; ENDRYS, J.; DITE, B.; SLEZAK, P.; PROCHAZKA, J.; BELOBRADEK, Z.; PETRLE, M.

The angiocardiographic picture of the mitral orifice. Cor vasa 4 no.3:212-218 '62.

1. Centre for Cardiac Surgery, Faculty of Medicine, Charles University Hradec Kralove.

(MITRAL VALVE radiography) (ANGIOCARDIOGRAPHY)

POLACEK, Premysl; STEINHART, Leo; ENDRYS, Jiri; VYSLOUZIL, Josef

Muscular bridges and loops over coronary arteries in coronariograms. Cesk. morf. 10 no.3:251-258 '62.

1. Departments of Anatomy, Radiology and Surgery Charles' University Medical Faculty, Hradec Kralove.

(CORONARY VESSELS radiography) (ANGIOGRAPHY experimental)

ENDRYS, Jiri; KVASNICKA, Jiri; STEINHART, Leo; VORTEL, Vladimir; BRZEK, Vladimir; VYSLOUZIL, Jan; KRAVEC, Miroslav.

Method of measuring the volume of flow through bronchopulmonary anastomoses. Sborn.ved.prac.lek.fak.Karlov.Univ. (Hrad.Kral) 6 no.3:219-228 \*63.

1. Kardiochirurgicke stredisko (prednosta:prof. MUDr., J. Prochazka); I. interni klinika (prednosta: prof. MUDr., J. Rehor); Radiclogicka klinika (prednosta DrSc., prof. MUDr., J. Bastecky); Patologicko-anatomicky ustav (prednosta DrSc., MUDr., A. Fingerland) a Chirurgicka klinika (prednosta: prof., MUDr., J. Prochazka), Universita Karlova.

SLEZAK, Premysl; STEINHART, Leo; FRANK, M.; JURIN, Ivo; DITE, B.

Congenitally corrected transposition of the great vessels in the angiocardiographic picture. Sborn.ved.prac.lek.fak. Karlov.Univ.(Hrad.Kral.) 6 no.3:311-318 \*63.

1. Radiologicka klinika (prednosta: DrSc., prof., MUDr. J. Bastecky); Detska klinika (prednosta: DrSc., prof., MUDr. J. Elecha) a Chirurgicka klinika (prednosta: prof., MUDr. J. Prochazka), Universita Karlova.

PETRLE, M.; PROCHAZKA, J.; ENDRYS, J.; BELOERADEK, Z.; KOSMAK, J.; STEINHARDT, L.; VIZDA, J.

Recurrent tight mitral stenosis. Cor. vasa 6 no.2:104-111'64

1. 1st and IInd Internal Clinics, Surgical Clinic and Radiological Clinic, Faculty of Medicine, Caroline University, Hradec Kralove, Czechoslovakia.

VYSLUZIL, J.; ENDRYS, J.; STEINHART, L.

Congenital supravalvular aortic stenosis with mitral insufficiency. Cor. vasa 6 no.2:164-167 \*64

1. Cardiosurgical Centre and Department of Radiology, Faculty of Medicine, Caroline University, Hrader Kralove, Czechoslovakia.

BELOBRADEK, Zdenek; EMDRYS, Jiri; KOSMAK, Ivan; PETRLE, Miroslav; STEHNHART, Leo

Changes of indexes calculated from the left atrial pressure curve during amyl nitrite inhalation. Sporn. ved. prac. lek. fak. Karlov. Univ. 7 no.5:653-660 '64.

1. II. interni klinika (prednosta: prof. MUDr. V. Jurkovic, DrSc.); Kardiochirurgicke stredisko (prednosta: prof. MUDr. J. Prochazka, DrSc.); Vyzkumny ustav experimentalnej terapie, Praha-Krc (prednosta: MUDr. O. Smahel, DrSc.) a Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.).

KREN, V.; SIEZAK, P.; STEINHART, I.; ENDRYS, J.; PROCHAZKA, J.

False dissected aortic aneurysm. Cesk. rentgen. 18 no.1:69-70 Ja'64.

1. Kardiochirurgicke stredisko lekarske fakulty KU v Hradci Kralove a Radiologicka klinika lekarske fakulty KU v Hradci Kralove (prednosta: prof.dr.J.Bastecky, DrSc.).

KOSMAK, Ivan; ENDRYS, Jiri; PETRLE, Miroslav; FRANK, Miroslav; BELOBRADEK, Zdenek; STEINHART, Leo; SLEZAK, Premysl

The intracardial phonocardiogram in aortic stenosis. Sborn. ved. prac. lek. fak. Karlov. Univ. 7 no.5:661-664 '64.

1. II. interni klinika (prednosta: prof. MUDr. V. Jurkovic, DrSc.) Kardiochirurgicke stredisko (prednosta: prof. MUDr. J. Prochazka, DrSc.); Vyzkunmy ustav exper. terapia, Praha-Krc (prednosta: MUDr. O. Smahel, DrSc.) a Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.).

PROCHAZKA, Jaroslav, prof. MUDr., DrSc.; BRZEK, Vladimir; ENDRYS, Jiri; KOSHAK, Ivan; STEINHART, Leo; JURIN, I'n; SLEZAK, Premysl; FINGERLAND, Antonin, prof. MUDr., DrSc.

Experience with surgical treatment of congenital aortic stenosis. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:85-96 '64.

l. Kardiochirurgicke stredisko a chir. klinika (prednosta: prof. MUDr. J. Prochazka, DrSc.); II. interni klinika (prednosta: prof. MUDr. V. Jurkovic); Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.) a Patologicko-anatomicky ustav (prednosta: prof. MUDr. A. Fingerland, DrSc.) Karlovy University v Hradce Kralove.

ENDRYS, Jirl; KOSMAK, Ivan; SLEZAK, Premysl; PROCHAZKA, Jaroslav, prof. MUDr., DrSc.; STEINHART, Leo; JURIN, Ivan; FRANK, Miroslav.

Early systolic snap in aortic stenosis. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:97-108 '64.

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KOSMAK, I.; PETRLE, M.; ENDRYS, J.; BELOBRADEK, Z.; JURKOVIC, V.; STEINHART, L.; SLEZAK, P.

On the methodology of intracardiac phonocardiography. Cor Vasa 6 no.4:281-287 164.

1. IInd Internal Clinic, Ist Internal Clinic, Surgical Clinic, Centre for Cardiac Surgery and Radiological Departments, Faculty of Medicine of the Caroline University, Hradec Kralove, Czechoslovakia.

SLEZAY, Promysl; ST HMEART, Leo; EMDRYS, Jiri; FRANK, Miroslav; KOSMAK, Ivan; BELOBRADEY, Zdenek; PROCHAZKA, Jaroslav, prof. MUDr., DrSc.; REZAC, Vaclav; JURNI, Ivan.

Morphological, hemodynamic and postoperative changes in atrial septal defects demonstrated by a simple X-ray picture. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:109-119 '64.

1. Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.); Chirurgicka klinika (Prednosta: prof. MUDr. J. Prochazka, DrSc.); II. interni klinika (prednosta: prof. MUDr. V. Jurkovic); Detska klinika (prednosta: prof. MUDr. J. Blecha, DrSc.) a I. interni klinika (prednosta: prof. MUDr. F. Cernak) University Karlovy v Hradci Kralove.

KREN, Vitezslav; CERNOCH, Zdenek; STEINHART, Loo; KNDRYS, Jiri; SLEZAK, Premysl; PUDIL, Vratislav; PRIBORSKY, Jaromir; HODAN, Jiri

Liver and kidney venography in animal experiments during delayed circulation by intrabronchial hypertension. Sborn. ved. prac. lek. fak. Karlov. Univ. 8 no.2:179-182 '65

1. Radiologika klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.) a Chirurgicka klinika (prednosta: prof. MUDr. J. Prochazka, DrSc.) Lekarske fakulty Karlovy University v Hradci Kralove.

NETTL, Sasa; STEINHART, Leo; SLEZAK, Premysl; DITE, Bohumil; PUDIL, Vladimir.

Deep brain phlebogram in anterioposterior projection in expansive intracranial processes. Sborn. ved. prac. lek. fak. Karlov. Univ. 8 no.2:199-205 '65.

1. Neurologicka klinika (prednosta: prof. MUDr. M. Sercl, DrSc.); Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.) Lekarske fakulty Karlovy University v Hradci Kralove.

KREN, V.; CERNOCH, Z.; STEINHART, L.; ENDRYS, J.; SLEZAK, P.; PUDIL, V.; PRIBORSKY, J.; HODAN, J.

Venography of the liver and kidneys with slowed-down circulation by means of intrabronchial hypertension in animal experiments. Cesk. radiol. 19 no.4/5:285-288 Ag \*65.

1. Radiologicka a chirurgicka klinika lekarske fakulty Karlovy University v Hradci Kralove, CSSR.

ENDRYS, J.; STEINHART, L; FRANK, M.; SLEZAK, P.

Possibilities of catheterization and angiocardiography of the left heart in the diagnosis of congenital heart defects in children. Cesk. pediat. 19 no.6:490-494 Je\*64

l. Kardiochirurgicke stredisko KUNZ [Krajsky ustav narodniho zdravi] v Hradci Kralove Chirurgicka klinika (prednosta: prof. dr. J.Prochazka); Radiologicka klinika (prednosta: prof.dr. J.Basto-ky, DrSc.); Detske klinika (prednosta: prof. dr. J.Blecha, DrSc.)lekarske fakulty KU [Karlovy university] v Hradce Kralove.

EMDRYS, J.; STEINHART, L.; KOSMAK, I.; PETERLE, M.; PROCHAZKA, J.; BELOB ADEK, Z.; REZAG, V.; SLEZAK, P.

Catheterization of the left heart. Evaluation of experiences with 650 examinations. Vnitrni lek. 11 no.4:331-338 Ap.65.

l. Kardiochirurgicke stredisko, fakultni nemocnice a lekarska fakulta Karlovy University v Hradci Kralove.

STEINHART, L.; ENDRYS, J.; SLEZAK, P.; PROCHAZKA, J.; DITE, B.; PETRLE, M.; BELOBRADEK, Z.; KOSMAK, I.; FRANK, M.

Transseptal levography in congenital and acquired diseases of the heart and of the large vessels. Cesk. radiol. 19 no.4 5: 253-259 Ag 165.

1. Radiologicka, chirurgicka, I. interni, II. interni a detska klinika lekarstve fakulty Karlovy University v Hradci Kralove, CSSR.

CERNOCH, Z.; KREN, V.; KOPECNY, J.; KVASNICKA, J.; SLEZAK, P.; STEINHART, L.;
NAVRATIL, P.

Roentgen findings in hypertensive patients during lumbar aortography and renovasography. Cesk. radiol. 19 no.4/5: 311-314 Ag '65.

1. Radiologicka klinika, ustav patologicke anatomie, I. interni a urologicka klinika lekarske fakulty Karlovy University v Hradci Kralove, CSSR.

PROCHAZKA, Jaroslav; ENDRYS, Jiri; FRANK, Miroslav; STEINHART, Leo

1. Chirurgicka klinika (prednosta: prof. MUDr. J. Prochazka, DrSc.); Detska klinika (prednosta: prof. MUDr. J. Blecha, DrSc.) a Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.) Karlovy University v Hradci Kralove.

ENDRYS, Jiri; STEINHART, Leo; PROCHAZKA, Jaroslav; SLEZAK, Premysl; KOSMAK, Van; KVASNICKA, Jiri; REZAC, Vaclav.

The degree of mitral insufficieny. Comparison of dilution technics. Angiography and operative findings. Storn. ved. prac. lek. fak. Karlov. Univ. 8 no.4:461-465 \* 65.

- 1. Kardiochirurgicke stredisko (prednosta: prof. MUDr.
- J. Prochazka) Karlovy University v Hradci Kralove.

 STEINHARTOVA, L., MUDT

Gronblad-Strandberg syndrome. Cesk. opht. 10 no.6:390-394 Dec 54.

1. Z ocni kliniky VLA v Hradci Karlove (PSEUDOXANTHOMA BLASTICUM Gronblad-Strandberg synd.)

Surgical treatment of prechiastatic arachnoiditis complicated by incorcoration of the intraconalicular segments of the ontic nerves.

Gesk. ofth. 13 nc.4:252-260 Aug 57.

1. Coni a neurochimuscicka Flinika VIA J. Ev. P., preducata prof.

Dr M. Klima a prof. Dr. R Petr.

(ARACHMOID, dis.

prachuitis, prechiastatic, with incorcevation of intraconalicular segments of optic nerves, surg. (Gz))

(NEWLES, OPSIC, dis.

incorceration of intraconalicular segments in prechiastatic prachmitis, surg. (Gz))

STEINHARTOVA, L.; BLECHOVA, D.

Effect of a 1% o solution of AgNO3 & boric acid on local & microbial conditions of the conjunctival sac in newborns. Cesk. ofth. 14 no.5:365-370 Oct 58.

1. Ocni klinika VIA J. Ev. P., prednosta prof. MUDr. Milos Klima, Detska klinika VIA J. Ev. P., prednosta prof. MUDr. Jiri Blecha.

(CONJUNCTIVA, eff. of drugs on

silver nitrate & boric acid on conjunctiva & microbial flora of conjunctival sac in newborn (Gz))

(INFANT, NEWBORN, physiol.

eff. of silver nitrate & boric acid on conjunctiva & microbial flora of conjunctival sac (Cz))

(SILVER, MITRATE, eff.
on conjunctiva & microbial flora of conjunctival sac in newborn (Cz))

(BORIC ACID, eff.

(MICROORGANISMS, eff. of drugs on silver nitrate & boric acid on microbial flora of conjunctival sac in newborn (Cz))

SVERAK, Jaromir; STEINHARTOVA, Libuse; PEREGRIN, Jaroslav

The importance of ERG examination in intraocular foreign bodies. Cesk. ofth. 17 no.4/5:352-357 Jl 161.

1. Ocni klinika (prednosta prof. MUDr. Milos Klima) a Fyziologicky ustav (prednosta prof. MUDr. Jaroslav Melka) Lekarske fakulty KU v Hradci Kralove.

(ELECTRORETINOGRAPHY) (EYE for bodies)

LIPA, Jerzy J.; STEINHAUS, Edward A.

Further report on identifications of Protozoa pathogenic for insects. Acta parasit Pol 10 no.1/11:165-175 '62.

- 1. Instytut Ochrony Roslin, Poznan, Grunwaldzka 189 (for Lipa).
  2. Department of Insect Pathology, University of California, Berkeley
- 4, California (for Steinhaus).

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CIA-RDP86-00513R001653110017-6

Steinhaus, H. The principles of statistical quality control.

Zastosowama Mat. 1, 4-27 (1953). (Polish. Russian and English summaries)

Expository and polemical article reviewing various ways of formulating the mathematical problem of an "optimum" inspection plan. The discussion revolves about the familiar fact that the expected loss from the application of any given inspection plan depends essentially upon the frequency distribution of quality in the sequence of lots that will be delivered for inspection.

7-13-54 LL

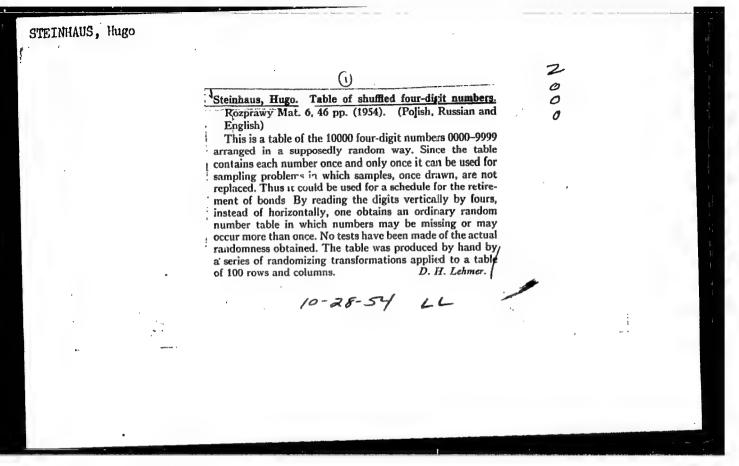
APPROVED FOR RELEASE: 08/25/2000

STEINHAUS, H.

 $\binom{3}{3}$ 

Mathematical Reviews Vol. 15 No. 4 Apr. 1954 Topology Kuratowski, K., et Steinhaus, H. Une application géométrique du théorème do Brouwer sur les points invariants. Bull. Acad. Polon. Sci. CL. III. 1, 83-86 (1953). The n-dimensional case of the following theorem is proved. Let R be a bounded measurable set in the plane, and let r = |R| be the measure of R. Let  $A_0$ ,  $A_1$ ,  $A_2$  be the angles determined by three rays emanating from a point. Finally, let  $\alpha_0$ ,  $\alpha_1$ ,  $\alpha_2$  be three non-negative numbers such that  $\alpha_0 + \alpha_1 + \alpha_2 = 1$ . Then there is a translation  $\tau$  such that, denoting  $\tau R$  by R',  $|R' \cap A_i| = r\alpha_i$  for i = 0, 1, 2.

E. G. Begle (New Haven, Conn.).



STEINHAUS, H. -517.53: 621.395.74 Lukaszewicz J., Steinhaus H. On Determining the "Centre of Copper" of a Telephone Nelwork. "W wyznaczaniu środka miedzi sieci telefonicznej". Zasłosowania Matematyki (PAN). No. 4, Warszawa-Wrocław, 1954, PWM, pp. 299-307, The authors solve the problem of determining the optimum location of a telephone exchange, i.e.so determining a point Q that the sum of the of a terephone exchange, near determining a points  $P_i$  (in which the distributionness  $\hat{r_i}$  between the point Q and given points  $P_i$  (in which the distributionness) bution cabinots are placed), multiplied by positive numbers c, (proportionate to the cost of a unit of cable length), is at a minimum. The required minimum of the function  $\Phi(Q) = \sum c_i r_i$  can be determined by means of dynamical analogy. The function —  $\Phi(Q)$  is the potential of the dynamical analogy. mical system presented. If the points Pi do not lie on a straight line, then the surface z = (P) (Q) is convex downwards and there exist precisely one minimum of the function  $\Phi$  (Q). From the convexity of the potential there results a new method of approximately determining the minimum of the function, that is by bounding with polygons the domain in which the required minimum is to be found, as well as a method of estimating the minimum value of the function. Iteration constitutes a third method of determining the minimum of the function  $\Phi$  (Q).

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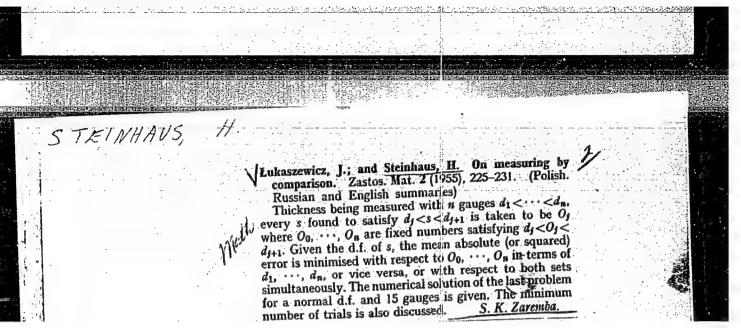
STEINHAUS, H.

The problem of irreversibility. p. 123. Vol. 1, no. 2, 1955 Warszawa

SERIA B: PRZYROD A NEOZYWIONA

East European Acession List (EEAL) Library of Congress SOURCE:

Vol. 5, no. 8, August 1956



FLECK, Ludwik; KUNICKA, Anna; LUKASZEWICZ, Josef; MALINOWSKA, Maria; STEINHAUS, Hugo

Problem of carriage of diphtheria. Arch. immun. ter. dosw. 3: 173-190 1955.

1. Instytut Matki i Dziecka w Warszawie (Dyrektor: prof. dr. F. Groer) Zaklad Mikrobiologii (Kierownik: prof. dr. L. Fleck) Instytut Matematyczny PAN.

(THROAT, microbiology.

Corynebacterium diphtheriae carriage in normal child.

(Pol))

(CORYNEBACTERIUM DIPHTHERIAE, throat, carriage in normal child. (Pol))

STEIN HAUS, H.

PHASE I BOOK EXPLOITATION

POL/4232

Polskie towarzystwo matematyczne

Prace Matematyczne, II, 1 (Mathematical Transactions, Vol. 2, pt. 1). Warszawa, Państwowe wyd-wo naukowe, 1956. 200 p. 790 copies printed.

Editorial Committee: Władysław Orlicz (Chief Ed.), Stefan Drobot (Deputy Chief Ed.), Adam Bielecki, Stanisław Hartman, Jan Mikusiński, Roman Sikorski, Marceli Stark, Hanna Szmuszkowicz, Krzysztof Tatarkiewicz, and Włodzimierz Wrona.

PURPOSE: This book is intended for mathematicians.

COVERAGE: This collection of articles deals with the theory of numbers, algebra, and some other subjects connected with mathematics. Among topics treated are the pursuit method of the theory of games and a biography of a Polish mathematician K. Zurawski, consisting mainly of a discussion of his mathematical work. No personalities are mentioned. References and summaries in Russian and English are given after several of the articles.

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179

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16,6100

Steinhaus, H.

AUTHOR:

On the prognosis

PERIODICAL:

Referativnyy zhurnal, Matematika, no. 1, 1962, 11, abstract 1V49. ("Zastosow. mat.", 1956, 3, no. 1, 1-7)

TEXT: Let F be a distribution function of a variable which is to be prognosed, and let g(x,y) be the loss in the case one takes y as the prognosis of the variable when the actual value was x. It is then natural to consider that value as the best prognosis which minimizes

the function

 $H(y) = \int_{-\infty}^{\infty} g(x,y) dF(x).$ 

It is emphasized that this value depends largely on the form of the function g(x,y).

Abstracter's note: Complete translation.

Card 1/1

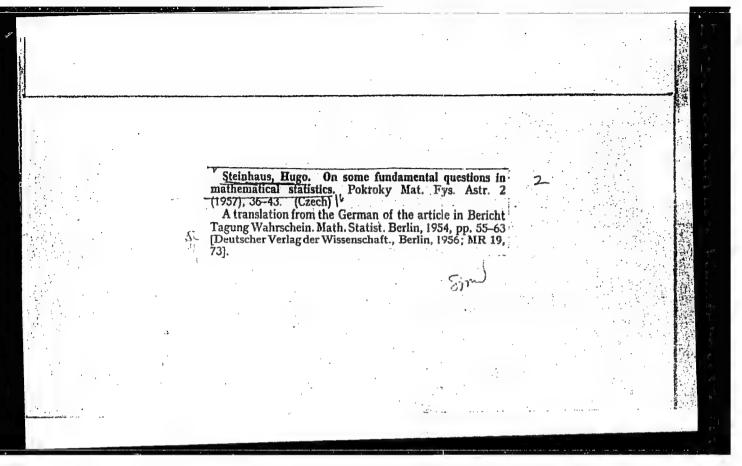
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So: Monthly List of Pass Maronean Accessions (MM i) 10. Weilly, no. 10, Pec. 1957. no.).

STEINHAUS, H.

Some basic problems of mathematical statistics. Tr. from the Polish, p. 36. (Pokroky Matematiky, Fysiky A Astronomie, Vol. 2, no. 1, 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.



PHASE I BOOK EXPLOITATION

POL/4355

Polskie towarzystwo matematyczne

Prace Matematyczne, Seria I, II, 2 (Mathematical Transactions, Series I, vol. II.2) Warszawa, Państwowe wyd-wo naukowe, 1958. 195 p. Errata slip inserted. 1,000 copies printed.

Editorial Board: Władysław Orlicz (Chief Ed.), Stefan Drobot (Deputy Chief Ed.), Adam Bielecki, Stanisław Hartman, Jan Mikusiński, Roman Sikorski, Marceli Stark, Hanna Szmuszkowicz, Krzysztof Tatarkiewicz, and Włodzimierz Wrona.

PURPOSE: This book is intended for mathematicians

COVERAGE: The contains 14 articles dealing with algebra, the theory of games, analysis, geometry, and two general mathematical topics. Summaries appear in Russian and English. No personalities are mentioned. References accompany individual articles.

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STEINHAUS, H.; MAR JZE JSKI, E.

Systematic distance of biotopes. p. 195.

ZASTOSOWANIA MATEMATYKI. (Polaka Adademia Nauk. Instytut Matematyczny) Warsawa, Poland. Vol. 4, no. 3, 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

STATIMAUD, H.; THÍBULA, S.

Measurement of successive comparison. p. 204.

ZASTOSOVANIA MATEMATYKI. (Polska Akademia Nauk. Instytut Matematyczny) Warsawa, Poland. Vol. 4, no. 3, 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

### "APPROVED FOR RELEASE: 08/25/2000

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CTETRIANS, H.

Mathematica, yesterday and today. p. 107.

KOSTYCE. SERIA F: FRZYCDA NIECZYWICNA. (Folskie Towarzystwo Frzyrodnikow im. Kopernika) Werspaws, Polend. Vol. 5, No. 2, 1959.

Monthly List of East European Accessions (EEAI) IC, Vol. 3, no. 8, August 1959. UNCL

SHTEVHOAUZ, Luge [Steinhaus, Hugo] (Vrotslavl', Pol'sha)

The true nature of mathematics. Mat.v shkole no.1:29-36 Ja-F (60. (MIRA 13:5))

(Mathematics)

GLEICHGEWICHT, B.; KUCHARCZIK, J.; STEINHAUS, H. (Wroclaw)

Remarks on numerical games. Zastos mat 5 no.1:21-33 '60. (EEAI 10:1)

(Games of chance (Mathematics))

(Poland--Lotteries) (Probabilities)

Stefan Banach (1892-1945). Review Pol Academy 5 no.3/4:82-90
Jl-D '60.

(Finach, Stefan) (Poland-Mathematicians)

STEINHAUS, H. (Wroclaw)

Stefan Banach; address delivered at Stefan Banach's commemorative ceremony. Rocz wiad matem 4 no.3:251-259 161.

(Mathematicians, Polish)

5/044/63/000/001/001 A060/A000

AUTHORS:

Mycielski, Jan, Steinhaus, H.

TITLE:

A mathematical axiom contradicting the axiom of choice

PERIODICAL:

Referativnyy zhurnal, Matematika, no. 1, 1963, 13, abstract 1A89 (Bull. Acad. polon. sci. Sér. sci. math., astron. et phys., 1962,

v. 10, no. 1, 1 - 3; English; summary in Russian)

Let P be some set of infinite words in the alphabet  $\{0, 1\}$ . The game between the players I and II is thus defined: the players in turn call letters from the alphabet {0, 1} so that at the n-th step the letter £n is called by player I, if n is even and by player II, if n is odd; it is assumed that each player knows the set P and the letters  $\epsilon_0$ ,  $\epsilon_1$ , ...,  $\epsilon_{n-1}$  at the time of calling the letter  $\epsilon_n$ . If the word  $(\epsilon_0, \epsilon_1, \ldots) \in \mathbb{P}$  then the player I wins, otherwise player II wins. The axiom proposed by the authors instead of the axiom of choice states: for any P one of the players I, II has a winning strategy. The authors promise to publish proof for these propositions: 1) The new axiom, in contradistinction to the axiom of choice, implies that all linear sets possess

Card 1/2

ilept. mathematics, University Wroclaw

S/044/63/000/001/001/053 A060/A000

A mathematical axiom contradicting the axiom of choice

Ber's property and are Lebesgue-measurable. 2) The new axiom implies the existence of a function which carries out a selection from any denumerable family of sets, whose union has a power less than or equal to 2 0. The authors discuss the possibility of replacing the axiom of choice by the new axiom in the proof of various theorems on the theory of sets, topology, theory of functions. etc. It is noted that, if the word  $\epsilon_0$ ,  $\epsilon_1$ , ... is identified with the point + ... on the axis of real numbers, then a) the new axiom holds for every PCFo UG6. b) the new axiom cannot be proven for every PGB2

= PCA CPCA). Moreover, the authors raise doubts as to the validity of the new axiom in the class of Borel sets and even in the class  $F_{\sigma\delta} \cap G_{\delta\sigma}$ .

.F.A. Kabakov

[Abstracter's note: Complete translation]

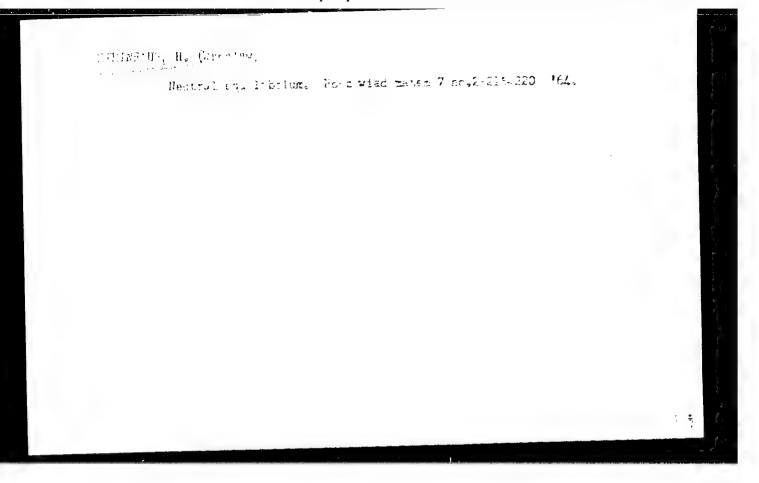
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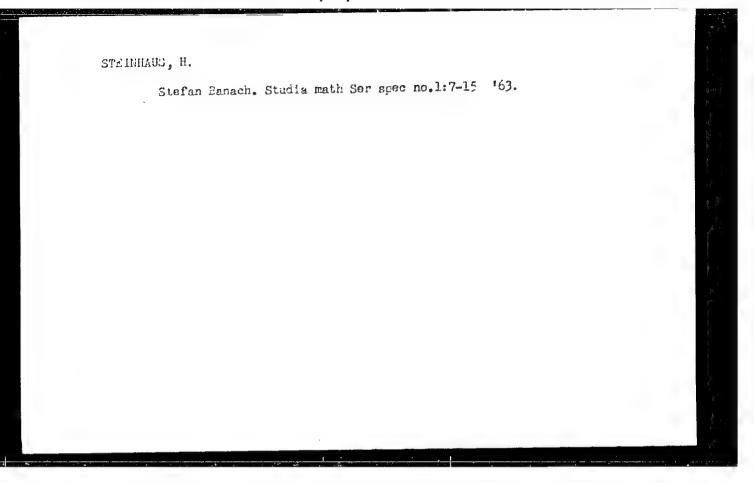
STEINHAUS, H. (Wroclaw)

A bridge with a hexagonal framework, Zestos mat 6 no.3:333-340 '62.

STEINHAUS, H. (Wroclaw)

Probability, credibility, possibility. Zastos mat 6 no.4:341-361
163.





5 TEINHAUSER PO CZECHOSLOVIKIA/Electronics - Electron Radiation Tubes

H-6

Abs Jour : Ref Zhur - Fizika, No 8, 1958, No 18432

Author : Gadzuk Bohdan, Prchlik Jaroslav, Steinhauser Miroslav
Inst : Higher Institute for Vacuum Electronics, Prague, Czechoslo-

vakia

Title : Super-orthicon 61 ZM40.

Orig Pub : Slaboproudy obzor, 1957, 18, No 12, 851-854

Abstract: A brief description of a new Czechoslovak transmitting television tube -- the super-orthicon type 61ZM40. Its electric

parameters are given, the arrangement, and the principle of operation are described and the technological features and

applications are listed. Bibliography, 13 titles.

Card : .1/1

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Withering of leaves in some evergreen plants during the winter of 1956. p. 736.
(ENCICET, Vol. 11, nc. 12, 1956, Bretislava, Czechoclovakia.)

SC: Winthly List of Mast European Accessions (EMAL) IC, Vol. 6, no. 12, Lacember 1957. Incl.

STEINHUBEL, GEJZA

Arboretum Miynany v minulosti a dnes. Bratislava, Vydavatelstvo Slovenskej akademie vied, 1957. 171 p. (The Arboretum of Miynany in the past and today. English, German and Russian summaries. illus., fold. map (in počket), bibl., footnotes, tables)

SO: Monthly Index of East European Accesion(EEAI) LC, Vol. 7, no. 5, May 1958

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# CIA-RDP86-00513R001653110017-6

Ι

Country : CICHOSLOVAKIA

Category: Plant Physiology General Problems.

Abs Jour: RZhBiol., No 14, 1958, No 62945

Author : Steinhuebel, Gejze

Inst

: The Application of Hartl's Method to the Discovery Title

of Plant Donnge by Flue Gases.

Orig Pub: Biologia, 1957, 12, No 8, 611-617.

The damage caused to the spruce by flue gases Abstract:

was determined with the aid of Hirtl's method. This method is based on the increase of wax formation during the increase of the concentration of harmful gases in the air. The method is applicable during the whole year, in spite of the fact that

card : 1/2

STRINJTERL, 7.

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Periodicals: KRASY SLOVENSKA. Vol. 35, No. 10, 1958. (Oct.)

STRINGUEDI, G. A dendrologic park in Topolcianky. p. 369.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959. Unclass.

STEINHUBEL, Gejza

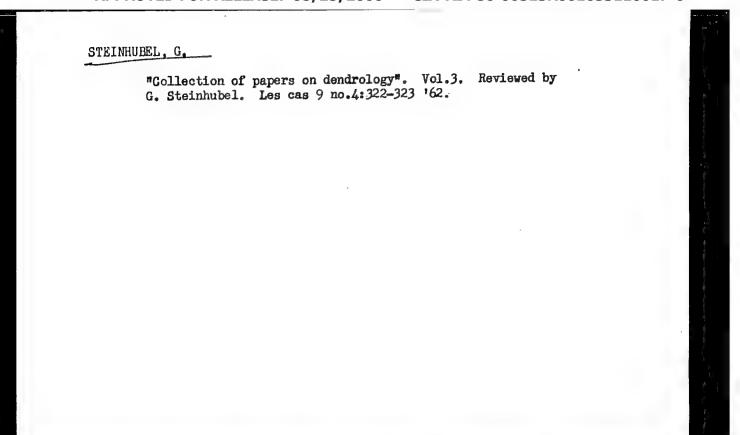
Raising the seed production of Liriodendron tulipifera by artificial allogamy. Biologia 14 no.12:888-895 '59. (EEAI 9:7)

1. Arboretum Slovenskej akademie vied, Mlynany.
(FERTILIZATION OF PLANTS) (SEED)
(LIRIODENDRON TULIPIFERA)

### STEINHUBEL, Gejza

Method of determining the resistance of evergreens against fumes. Les cas 9 no.4:279-291 '62.

1. Ceskoslovenska akademie ved Arboretum, Mlypany, Slovenska akademie ved. Les cas 9 no.4:279-291 '62.



STEINHUBEL, G.

Problem of resistance of evergreen deciduous trees against detrimental effects of solid smoke emissions. Acta bot Hung 9 no. 3/4 433-445 163.

 Tschechoslowakische Akademie der Wissenschaften-Arboretum Mlynany SAV, Vieska nad Zitavou, Czechoslovakia.

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Gajan STEINHUBEL, Arbovesum of the Slovek Academy of Sciences (Arborecus Slovenske) akademia vied), Miynany.

"Changes in the Starch Groves in Leaves of the Common Molly Plant After Application of Dume."

Bracislava, Biologia, Woi 18, No 1, 1963; pp 23-33.

Abstract [Gorman summary modified]: Primary mode of action by which inert dust affected starch production in leaves of Ilex aquifolium was by decrease of light absorption; heat accumulation and interference with transplantion were accondary. Evergraeus are less affected than decidoous traces discussion of experiments and results. Drawing shows exact to tenf tissue with and without dust layer; 8 diagrams, table; 4 Seviet. I Greek and 21 Western references.

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STEINHÜBEL, Gejza and BERTA, Frantisek; Mlynany Arboretum of the Slovak Academy of Sciences, Czechoslovak Academy of Sciences, Mlynany.

"Annual Changes in Production of Assimilates in Evergreens."

Bratislava, Biologia, Vol 18, No 7, 1963; pp 498-503.

Abstract [German article]: Authors analyzed sugar and starch content of Ilex aquifolium L and Laurocerasus officinalis L. at weekly intervals throughout the year, correlating results with sunshine and temperature fluctuations. The highest total sugar content occurs in winter, with peak in February; higher in Laurocerasus than in Ilex. One graph; 1 Czech, 1 Soviet and 12 German references.

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Direct Insolation."

Bratislava, <u>Biologia</u>, Vol 21, No 4, 1966, pp 277 - 294

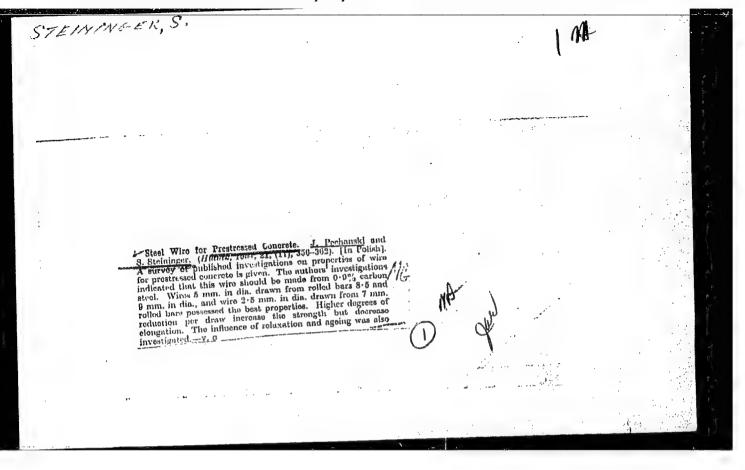
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The 4th National Selective Dog Exhibition. p.7
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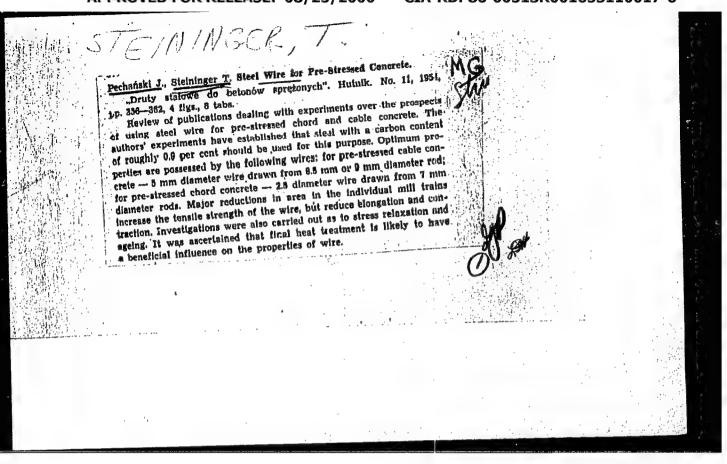
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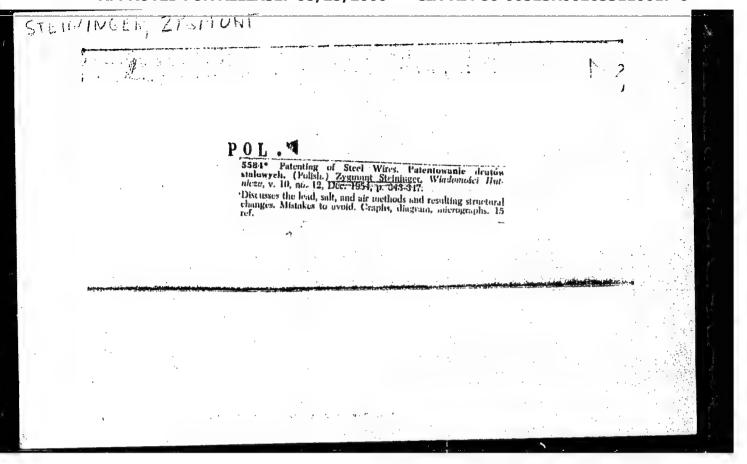
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87

STEININGER, Z. The electrosparking machining of wire drawing dies made from sintered carbides.

A description of an electrosparking machine for dies is given. Advantages

of electrosparking machining over mechanical grinding are discussed.

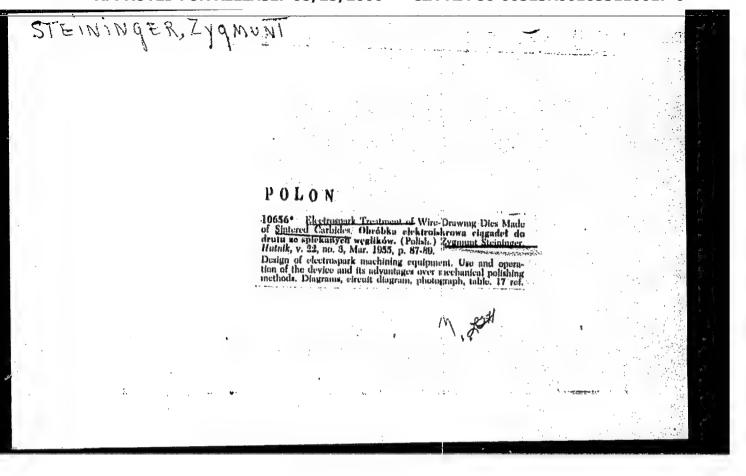
By Z. Steininger .....

SO: Hutnik, #3, Mar 55, pp. 77-112.

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STEININGER, Z. Spontaneous and accelerated aging of steel wire. p. 346. HUTNIK. Katowice, Poland. Vol. 9, No. 4, Apr. 1956

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SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

STEININGER, Zygmunt, mgr inz.

Problem of production of the carrying ropes for the Kasprowy Wierch rope railway. Wiad hut 15 no.2:39-44 F 159.

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Electric-spark machine tools made of sintered powdered metals for wiredrawing machines. p. 249.

MECHANIK. Warszawa, Poland, Vol 12, nos. 1-2, 7-9, 12; Jan.-Feb., July-Sept., Dec. 1957.

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Production and certain properties of steel cables. Wiad hut 16 no.2:33-38 F \*60.

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Steel cables as an example of fruitful scientific and technical cooperation. Przegl techn 81 no.15:17 Ap '60.

Second Conference on Physical Metallurgy, Hutnik P 29 no.2:
79-82. F \*62.

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z/056/62/019/010/001/002 D006/D102

AUTHORS:

Steininger, Z., and Dolnicki, T.

TITLE:

Influence of liquid medium on the efficiency of spark machin-

ing

PERIODICAL:

Přehled technické a hospodářské literatury. Hutnictví a stro-

jírenství, v. 19, no. 10, 1962, 613, abstract # HS 62-7779. Mechanik, Warsaw, 35, no 4, April 1962, 183-186

The article presents a study on the selection of liquid media TEXT: for electrospark machining. Tests made with various liquid media (alcoholwater mixture, organic compounds) are described, and an analysis of the influence of metal-removal rate and electrode size on machining efficiency is presented. The original article contains 5 figures. Abstracter's note: Complete translation./

Card 1/1

KAJFASZ, Stanislaw, doc, dr; STEININGER, Zygmunt, dr

Patented rolled bars as reinforcement of prestressed concrete. Inz i bud 20 no.1:36-40 Ja 163.

STEININGER, Zygmunt, dr inz.; PLINTA, Jan, mgr inz.

Studies on 7 % 2.5 in structural splices for prestressed concrete. Hutnuk P 30 no. 5: 154-156 My 163.

STEININGER, Zygmunt.

"Wire drawing specialist" by L.A. Krasilnikov [Krasil'nikov, L.A.] Reviewed by Zygmunt Steininger. Hutnik P 30 no.7/8:270 J1/Ag 63

"Covered hoisting cables" by B.D. Hochriakow. Reviewed by Zyg-munt Steininger.